

**Amendments to the Claims:**

This list of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claims 1-15 (canceled)

Claim 16 (new): A method for applying personal information in the use of Web services comprising:

- a) verifying a user's identity,
- b) associating one or more pairs of user input sequences and Uniform Resource Locators,
- c) connecting said pairs with said user's verified identity,
- d) storing said pairs connected with said user's identity in a database accessible on the public Internet,
- e) retrieving each of said pairs when a user input sequence included in a particular pair is needed by said user for entry at an associated Uniform Resource Locator included in said particular pair, and
- f) entering said user input sequence included in said particular pair into the Web page at said associated Uniform Resource Locator included in said particular pair, whereby said user can easily recall any personal information that said user needs to access and use Web services with minimal maintenance burden for said user.

Claim 17 (new): The method of claim 16 wherein associating one or more pairs of user input sequences and Uniform Resource Locators comprises associating one or more pairs of Web service sign-on procedures and Uniform Resource Locators.

Claim 18 (new): The method of claim 16 wherein associating one or more pairs of user input sequences and Uniform Resource Locators comprises associating one or more pairs of Web service purchase order entry data and Uniform Resource Locators.

Claim 19 (new): The method of claim 16 wherein associating one or more pairs of user input sequences and Uniform Resource Locators comprises associating one or more

pairs of recorded user input sequences and Uniform Resource Locators.

Claim 20 (new): The method of claim 16 wherein associating one or more pairs of user input sequences and Uniform Resource Locators comprises associating one or more pairs of directly entered user input sequences and Uniform Resource Locators.

Claim 21 (new): The method of claim 16 wherein verifying a user's identity comprises entry of a passphrase.

Claim 22 (new): The method of claim 16 wherein verifying a user's identity comprises checking data on a portable memory device possessed by said user.

Claim 23 (new): The method of claim 16 wherein verifying a user's identity comprises comparing one or more of the physical characteristics of said user to biometric data stored on a portable memory device possessed by said user.

Claim 24 (new): A method for applying personal information in the use of Web services comprising:

- a) verifying a user's identity by entry of a passphrase,
- b) encrypting said passphrase with one-way encryption to derive a User ID,
- c) associating one or more pairs of user input sequences and Uniform Resource Locators,
- d) encrypting said pairs with a key derived from said passphrase,
- e) connecting the encrypted pairs with said User ID,
- f) storing said encrypted pairs connected with said User ID in a database accessible on the public Internet,
- g) retrieving each of said encrypted pairs when a user input sequence included in a particular encrypted pair is needed by said user for entry at an associated Uniform Resource Locator included in said particular encrypted pair,
- h) decrypting said particular encrypted pair with said key derived from said passphrase, and
- i) entering said user input sequence included in said particular encrypted pair into the Web page at said associated Uniform Resource Locator included in said

particular encrypted pair,  
whereby said user can easily recall any personal information that said user needs to access and use Web services with minimal maintenance burden and a high degree of privacy for said user.

Claim 25 (new): The method of claim 24 wherein associating one or more pairs of user input sequences and Uniform Resource Locators comprises associating one or more pairs of Web service sign-on procedures and Uniform Resource Locators.

Claim 26 (new): The method of claim 24 wherein associating one or more pairs of user input sequences and Uniform Resource Locators comprises associating one or more pairs of Web service purchase order entry data and Uniform Resource Locators.

Claim 27 (new): The method of claim 24 wherein associating one or more pairs of user input sequences and Uniform Resource Locators comprises associating one or more pairs of recorded user input sequences and Uniform Resource Locators.

Claim 28 (new): The method of claim 24 wherein associating one or more pairs of user input sequences and Uniform Resource Locators comprises associating one or more pairs of directly entered user input sequences and Uniform Resource Locators.

Claim 29 (new): The method of claim 24 further including verifying said user's identity by checking data on a portable memory device possessed by said user.

Claim 30 (new): The method of claim 24 further including verifying said user's identity by comparing one or more of the physical characteristics of said user to biometric data stored on a portable memory device possessed by said user.

Claim 31 (new): A computing system for applying personal information in the use of Web services comprising:

- a) a user interface means for enabling a user to browse the World-Wide Web,
- b) a server means for storing and retrieving personal information,
- c) a network means for digital communications between said user interface means and said server means, and between said user interface means and a Web service,

- d) a first means for verifying said user's identity,
- e) a second means for associating one or more pairs of user input sequences and Uniform Resource Locators,
- f) a third means for connecting said pairs with said user's verified identity,
- g) a fourth means for storing said pairs connected with said user's identity in a database accessible on the public Internet,
- h) a fifth means for retrieving each of said pairs when a user input sequence included in a particular pair is needed by said user for entry at an associated Uniform Resource Locator included in said particular pair, and
- i) a sixth means for entering said user input sequence included in said particular pair into the Web page at said associated Uniform Resource Locator included in said particular pair,

whereby said user can easily recall any personal information that said user needs to access and use Web services with minimal maintenance burden for said user.

Claim 32 (new): The computing system of claim 31 wherein said first means of verifying a user's identity comprises means for entering a passphrase.

Claim 33 (new): The computing system of claim 31 wherein said first means of verifying a user's identity comprises means for checking data on a portable memory device possessed by said user.

Claim 34 (new): The computing system of claim 31 wherein said first means of verifying a user's identity comprises means for comparing one or more of the physical characteristics of said user to biometric data stored on a portable memory device possessed by said user.

Claim 35 (new): The computing system of claim 31 wherein said second means for associating one or more pairs of user input sequences and Uniform Resource Locators comprises means for associating one or more pairs of Web service sign-on procedures and Uniform Resource Locators.

Claim 36 (new): The computing system of claim 31 wherein said second means for

associating one or more pairs of user input sequences and Uniform Resource Locators comprises means for associating one or more pairs of Web service purchase order entry data and Uniform Resource Locators.

Claim 37 (new): The computing system of claim 31 wherein said second means for associating one or more pairs of user input sequences and Uniform Resource Locators comprises means for associating one or more pairs of recorded user input sequences and Uniform Resource Locators.

Claim 38 (new): The computing system of claim 31 wherein said second means for associating one or more pairs of user input sequences and Uniform Resource Locators comprises means for associating one or more pairs of directly entered user input sequences and Uniform Resource Locators.